

Page 2  
Lines 14  
and 22

Change "affect" to -- effect --.

Line 27 Change "affected" to -- effected --.

Page 3  
Line 3

Cancel "material employing"; change "and"  
to -- with --

Line 8 Cancel "beam" , second occurrence.

Line 24 After "thereby" add a comma.

Line 28 Change "at" to -- in --

Page 4

Line 13 Change "with" to -- generated by --.

Line 23 Change "in" to -- as --.

Line 25 After "radiation" add a comma

Page 5

Line 5 Cancel "chamber"

Line 6 Change "the " to -- a --.

Line 30 Change "yet" to -- jet --.

Line 31 After "of" add -- a beam of --; after "and"  
add -- a --.

Line 32 Cancel "means"

Page 6

Line 3 After "to" add -- the apparatus of --

Line 6 After "11" add a comma; substitute -- with --  
for "having".

Line 7 Change "head end" to -- head-end --

Line 8 After "material" add a comma.

Line 14 After "chamber" add a comma.

Line 15 After "19" add a comma.

Line 17 After "energy" add a comma.

Line 21 Change "beans" to -- beams --

Line 22 After "chamber" add a comma.

Line 23 Change "2-100" to -- two to one hundred --

Line 25 / Change "thru" to -- through --  
 Line 30 / After "single" add -- work processing --  
Page 7  
 Line 3 / Change "yet" to -- and --.  
 Line 4 / Change "generated" to -- provided --  
 Line 5 / Change "within" to -- at a reaction zone of --.  
 Line 12 / Place a comma after "tube" and "described"  
 Line 18 / Change " to" to -- whereby --; change "generate"  
                   to -- generates --.  
 Line 19 / After "of" add -- matter in -- ; substitute --  
                   be effected -- for "result"  
 Line 20 / Cancel "within the reaction chamber 11";  
                   substitute -- of the chamber -- for "thereof".  
 Line 21 / Substitute -- such -- for "said"  
 Line 23 / After "wave" add -- will --; substitute --  
                   travel -- for "travels".  
 Line 25 / Cancel "head"; substitute -- wall -- for "walls".  
 Line 26 / After "and" add -- will --; substitute -- and  
                   react -- for "reacting"  
 Line 28 / Place a comma after "chamber".  
Page 8  
 Line 1 / Change "predetermined" to -- select --  
 Line 3 / Cancel "head"  
 Line 4 / Change "and fluent" to -- .Fluent --;  
                   substitute -- therethrough-- for "thereto".  
 Line 5 / Substitute -- through -- for "along"  
 Line 6 / Place a comma after "chamber"  
 Line 8 / Substitute -- directed therethrough --  
                   for "so generated"; substitute -- vapor --  
                   for "vapors"  
 Line 9 / Substitute -- solid material -- for "solids".  
 Line 11 / Cancel "the" and "thereof".

Line 12 Place a comma after "compounds";  
cancel "copening"

Line 13 After "applications" add -- 668,561 and  
501,393 --

Line 14 Change "device" to -- apparatus --,

Line 15 Cancel "to produce work or".

Line 20 After "and" add -- is --.

Line 21 Substitute a comma for "and" second occurrence.

Line 23 Cancel "perform work"; after "indirectly"  
add -- perform work --.

Line 30 Substitute -- employed -- for "directed".

Page 9

Line 2 Substitute -- effect -- for "perform"

Line 3 After "as" add -- the --.

Line 4 Before "cladding" add -- the --; before "two"  
add -- of --; after "or" add -- the securing of --.

Line 5 Change "on" to -- in --.

Line 6 After "or" add -- the --; after "one"  
add -- of --.

Line 7 After "11" add a comma.

Line 12 After "mounted" add a comma.

Line 13 Change "attitudes" to -- attitude --

Line 14 After "for" add -- adjustably --.

Line 15 Cancel "in a predetermined attitude"

Line 17 Substitute -- a -- for "the"

Line 20 Substitute -- varied in attitude --  
for "controlled".

Line 21 Substitute -- controlled by -- for "receiving";  
substitute -- generated by -- for "from";  
place a comma after "controller".

Line 22 Place a comma after "computer"

Line 23 After "light" add -- to permit them --.

Line 25 Cancel "suitable"  
 Line 28 Substitute -- enclosed -- for "enclosable"  
 Line 30 Cancel "hereinabove"; place a comma after  
 "described".  
 Line 31 Substitute -- is -- for "may be"; place a comma  
 after "27".

Page 10  
 Line 11 Cancel "length of".  
 Line 12 Substitute -- controlled -- for "predetermined".  
 Line 14 After "coated" add a comma.  
 Line 16 Substitute -- such -- for "said".  
 Line 17 Place a comma after "provided".  
 Line 18 Place a comma after " 2".  
 Line 19 Place a comma after "necessary".  
 Line 24 Substitute -- for use -- for "used"  
 Line 25 After "as" add -- a --; substitute -- generator --  
 for "generators".  
 Line 27 After "to" add -- provide same at --;  
 substitute -- location -- for "volume".  
 Line 28 After "is" add -- to be --.

Page 11  
 Line 2 Substitute -- supported -- for "mounted".  
 Line 6 After "which" add -- lens --.  
 Line 10 Substitute -- A -- for "containing a";  
 substitute -- controlled -- for "controllable";  
 before "for" add -- is employed --.  
 Line 11 substitute --controllably-- for "predeterminately"  
 Line 12 Cancel "the top of".  
 Line 11 cancel "said"; add --41-- after "base".  
 Line 15 Substitute -- controlled -- for "controllable"  
 Line 16 Substitute -- supporting -- for "employing";  
 cancel "a direction".  
 Line 17 Substitute -- such -- for "so".  
 Lines 18 and 19 Substitute -- intersected by -- for "moved  
 in two directions with respect to".  
 Line 20 Substitute --work on the table or base-- for "said  
 surface".  
 Line 22 After "focal" add --or intersecting--.

Line 19<sup>7</sup> Substitute -- focused -- for "focusing";  
after "same" add a comma.

Line 29 After "for" add -- the --.

Page 12  
Line 3 Before "means" add -- and --.

Line 5 After "41" add a comma  
Line 6 After "controller" add a comma.  
Line 11 After "sources" and "lasers" add respective  
commas.

Line 17 Cancel "heretofore"

Line 19 Substitute -- open -- for "opened".

Line 22 Substitute -- head -- for "heat".

Line 23 After "shown" add a comma.

Line 24 Substitute -- thereon -- for "therein"

Line 25 Substitute -- propellents -- for "propellent";  
after "materials" add a comma; cancel "and".

Line 26 Substitute -- such as a -- for "or"

Line 29 Place a comma after "window".

Line 30 Place a comma after "therein".

Line 31 Substitute -- caused to intersect -- for "intersects";  
cancel "being"

Page 13  
Line 1 Change "cause" to -- effect --.  
Line 4 Cancel "in";  
Line 3 After "56" add a comma.

Lines 4 and 5 Cancel "relation-ship".and substitute therefore  
--with respect--.

Line 6 Change "pulse" to -- pulsed --.

Line 17 Change "fiber optical" to -- fiber-optic --.

Line 21 After "energized" add a comma.

Line 22 Change "tubes" to -- tube --.

Line 25 Place a period after "burning".  
Line 26 Cancel "means"; after "to" add -- a --.

Line 27 Cancel "of the fibers".

Line 28 Change "optical fiber" to -- fiber-optic --.

Line 29 Change "extended" to -- directed --.

Line 31 After "fuel" add a comma.

Page 14

Line 1 After "preferably" add -- located --;  
after "off" add -- the thrust --;  
substitute -- thereof -- for "therefrom";  
substitute -- locate -- for "position".

Line 5 After "77" add a comma; cancel "ar-" .

Line 6 Substitute -- provided -- for "ranged";  
substitute -- an -- for "the".

Line 8 Place a comma after "engine"

Line 9 Place a comma after "engine"

Line 14 Substitute -- a means for using -- for  
"the application of".

Line 15 Cancel "the".

Line 16 After "or" add -- combustion --;  
place a comma after "chambers"; substitute --  
a -- for "the".

Line 18 Substitute -- varied in attitude -- for  
"operated"; after "79" add -- having an output  
shaft 80 --.

Line 19 Cancel "and output shaft means 80" and "to  
predeterminately"

Line 20 Substitute -- permit -- for "vary"; cancel "so as"

Line 21 Substitute -- be selectively directed -- for  
"predeterminately direct it".

Line 22 Substitute -- such -- for "said"

Line 25 After "be" add -- selectively --

Line 28 Cancel "and pumping"

Last Line Place a comma after "arrangement" and "illustrated";  
cancel "that".

Page 15

Line 27 Cancel "or other work".

Line 4 Cancel "to", first occurrence.

Line 13 Place a comma after "means"

Line 14 Place a comma after "housing".

Line 16 After "to" add -- cause it to --.

Line 19 Substitute -- employing -- for "for operating or".

Line 22 After "81" add a comma.

Line 23 Cancel "gas" ; after "82" add a comma.

Line 29 After "gas" add a comma.

Page 16

Line 8 Substitute -- to define -- for "about"

Line 16 After "energy" add a comma.

Line 20 After "material" and "beam" add respective commas.

Page 17

Line 17 Substitute -- combines -- for "combine".

Page 18

Line 29 After "ceramic" add a comma.

Line 31 After "piece" add a comma.

Page 19

Line 8 Before "perhaps" add a comma.

Line 9 After "beam" add a comma.

Line 15 After "se" add a comma.

Line 20 Substitute -- modes -- for "mode".

Line 29 After "gas" add a comma; substitute -- shown --  
for "taught".

Line 30 After "8" add a comma.

Page 20

Line 1 Substitute -- of -- for "and improvements in".

Line 2 Substitute -- including -- for "wherein";  
cancel "are provided".

Line 8 Cancel "generating".

Page 21

Line 7 Add a comma after "91"

Line 11 Cancel "form of".

Line 16 After "merely" add -- employed to generate and --;  
cancel "the".

Line 17 Substitute --.Shown -- for ", shown"

Line 25 Substitute -- control 103 -- for "control103"

Line 28 Change "thru" to -- through --.

Page 22

Line 15 Place a comma after "chamber"

Line 19 Substitute -- .Such detector 121 -- for "which".

Line 21 After "and" add -- is --.

Line 22 After "123" add a comma

Line 24 Substitute -- . A -- for "a".

Line 25 Substitute -- the -- for "its"; after "125"

add -- of the AND circuit--.

Line 27 Place a comma after "99" and "91V".

Line 29 Cancel "or"; after "100" place a period.

Line 30 Substitute -- The -- for "the".

Page 23

Line 3 Substitute -- after being -- for "when"

Line 10 After "127" add -- disposed --.

Line 19 Substitute -- select -- for "predetermine".

Line 22 Cancel "a".

Line 24 Place a comma after "valve"

Line 25 Substitute -- a -- for "the".

Page 24

Line 1 After "137" add a comma.

Line 4 After "101" add a comma.

Line 6 Substitute -- shaft 141 -- for "shafts".

Line 7 Substitute -- thereof -- for "shaft 141".

Line 10 Cancel "pulsing" second occurrence.

Page 25

Line 6 Change "fule" to -- fuel --.

Line 8 Cancel "herein".

Line 20 Substitute -- lasers -- for "lasered";  
cancel "with"; after "each" add -- being --.

Line 21 Cancel "either" and "steady".



Line 24 After "or" add -- the --; after "fuel"  
add a comma.

Lines 25 Substitute -- therethrough -- for "theretrhough".  
and 26

Page 27  
Line 2 Change "components" to -- component --.

Line 3 Change "putput" to -- output --.

Line 11 After "the" add -- driveshaft of a --.

Line 16 Cancel "near".

Line 17 Place a comma after "91"

Line 19 Place a comma after "102".

Line 24 Place a comma after "91".

Line 27 Change "changes" to -- changes --.

Page 28  
Line 4 Change "beam" to -- beams --.

Line 15 Cancel " one or a number of"

Line 31 Change " distance" to -- distant --

Line ~~32~~<sup>31</sup> Change "reactsnts" to -- reactants --.

Please cancel pages 30, 31, 32 and the first paragraph of  
page 33 without  
/ prejudice and with the understanding that applicant may  
insert such pages or include the subject matter thereof  
in a continuation, continuation-in-part or divisional patent  
application without relinquishing any rights to such subject  
matter.

#### R E M A R K S

The amendments to claims 17 and 20 have been requested  
to improve the wording of these claims and better define the  
invention without changing the scope or meaning of the claims  
and are of such a nature as to preclude reconsideration by  
the Examiner of a type which would not permit them to be  
entered at this time in the prosecution of this application.